

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SEQ. ID. NO.:1

AAGCTTAATTGGGGGCCAAGTAGACAGCAGGACATTTCAGTGTGCCTTGTTTCCTTTGTCTTTTGGCTCCA
GGTATCAGCAAGCCAAACAAAGGCCCTCATCTAAGCTGTGTTCTTCAGGCCTACCTCCAGCGCCAGAA
TGAGCCTATTGGCCCCACAGCTCTCAGGAGCAAGAGTGATGTACAGGACATTGTGAGCAAGAAGTGGGT
GCTGCAAACTGCATAACCCCCCTCTACCGGCAAGACACCGAGTGCTCACACAGAGCTTACTCGTAGGAC
TTGCCAGCTGGTTAAGACACACCCCTGCCATTTTCTCTAACAAGCAGGAGTTCAGTTCAGTTCACAGGGAT
GGGTGGGACCAGGATGGCCACTTTGATCACATGGGAGGGGCGTGGTGTGTGCAGTTAGGAACAAAGTC
TCCCCCTATTTAAGTCCAGCGCTCTGTGCTTTAGTTGATCCCTGGTGTCTCGTGTCTTTGTCTGCTGCTG
TCCCGCCACCAGCCCCAGCCATGCAGGGACCCCTGGGTGCTGCTGCTGCTGGGCCCTCAGGCTACAGCTGTC
CCTTAGTGTCAATCCAGGTAATGAGGCTCCTTCCAATGAACACCCCATTCACCCCATGGACCCCTCATG
CTGACCCCTCCTCTGCTATTCCCTTGGCCAGTGGAGGAGGAGAACCCGGCCCTTCTGGAACAAGAAGGCAG
CCGAGGCCCTGGATGCTGCCAAGAAGCTGCAGGCCATTTCAGACATCAGCTAAGAACCCTCATCATCTTCCT
GGGTGACGGTGAGTGTGTGAGCGAGGCTGCCACCCCTGGGGCCCTTGACTCCAAGTACCAGGGGCCACT
GGTGGGTACGGACAGGCCCTCAGGGTTCAGTCTGACGAGGTTCTGCTCCTTCAGGAATGGGGGTACCAAC
AGTGACAGCCACCAGGATCCTAAAGGGACAGTTGGAAGGTCATCTAGGACCTGAGACACCCCTAGCCATG
GACCGCTTCCCATATATGGCTCTGTCCAAGGTGAGTTCTTAGCCACATCTGAAATGACTGATGGGATCCA
GGGCAAGGGAGGCAGAGAGGCTCGGGTGAAGAAATAAATGTCTGCTTTGAGCCAGTTGGGGTGTCTCTG
TCCCCAGACATACAGTGTGGACAGACAGGTTCCAGACAGTGCAAGCACGGCCACCGCCTACCTGTGTGGG
GTCAAGACCAACTACAAGACCATCGGCTTGAGTGCAGCCGCGAGATTGACCCAGTGCAACACCACATTTG
GCAATGAGGTCTTCTCAGTGTGTACCGTGCCAAGAAAGCAGGTGAGTTGGAGCCAGGCTCAGCTATGGG
GGGCAAGCCTAGGGGACTGGATGTCTACCCCTGACCTTTGCCGTCTTCAGGAAAATCCGTAGGTGTGGTG
ACCACCACCAGAGTGCAGCACGCCCTCTCCCTCGGGCACATATGTTACACAGTGAACCGCAATTGGTATG
GGGATGCTGACATGCCTGCCTCTGCGCTGCGGGAAGGTTGCAAGGACATTGCTACACAACCTCATCTCCAA
CATGGACATTAATGTAAGGATAAGCATGTCAAAGGGAGAGGGTAAGGGGAGGGAGAGGAGAAGGAGG
GGGAGGGAGGGGGAGGTGAGGGGGTCAAGGGGGGAAGGGGTGGTCCCAGGCAACCTTGTAAGTGAAC
TCCCTGGATCTTCTGGGGTCTTTGAGGGCCGGGTAGTTTCAGTTCCACATACCTGGTGAGGAGCTAGGGA
CTGGCAGGAAAAGGAGGCAGAAGACAACCTAAAGTTCACCTTCCTTCATCTCTGACCACAGGTGATC
CTGGTGGGGGGCGAAAATACATGTTTCTGTGTGAACCCAGAGTATCCAAATGATGCTAATG
AGACTGGAACCAGATTGGATGGCAGGAATCTGGTGCAGGAATGGCTGTCAAAGCACAGGTGACCGCATG
CAGAATATTAGTGATACAGTGGAGACCAGGGAAGGGCTTTGAACCTTACCAGTTGCTTATGTCCCTCTAG
GGATCCCAGTATGTTTGAATCGTGAACAACCTATTTCAGAAGGCCAGGATCCGTGAGTACATACCTCA
TGGGTAATGGCCCCACACTTCCTGCACTGGTACACCTCATATGGCAACCACTGATCCTCTGTGTATATAT
GTACCGTGACCCCACTGCCAAGCTTGGTGGTCAACAGTATATATTTTGGTTTTGTACCTCAGGCCTCTTT
GAGCCTGTAGACACAAAATTTGATATTCAACGAGATCCCCGTGATGGACCCATCTCTGAAGSATATGACAG
AGACGGCCGTGAAAGTGCTAAGCAGGAACCCCAAGGCTTTTATCTCTTTGTGGAGGGTGAGTCTCCAAG
CTCCCATGGAAAGAGGGGACAATGGACAGGGACAGGCTCAAGCTCACTGGCTTCCTGCAGGGGGCCGAAT
CGACCGTGGTCAACCATCTGGGCACAGCTTATCTGGCGCTGACTGAGGCTGTGATGTTGACTTAGCCATC
GAGAGGGCCAGCCAGCTCACTAGTGAACGCGACACTCTGACCATAGTCACTGCTGACCACTCCCATGTCT
TCTCCTTTGGTGGCTACACACTTCGAGGGACCTCCATCTTCGGTAGGTTCCGGGAACAGTGGCAGGCTGTC
AATTACGTACAGAATACTTCTGAGCCATCGTTTTCTCTGTCTGTAAATGGACAGAAATGGCACCTGCCT
TGTGGGATCTAGCAACGACTGAACCACTGGCCAGGCAAAAGGCGGGGCTCGTCTAAGCATCATCTTG
GCAGGAAAAAGTGTCCCTCTTCCCCATGCAGGGCTGGTCCCCCAATGCTCTGGACGGCAAGCCCTAC
ACCTCCATCCTGTATGGCAACGGCCAGGCTATGTGGTACAGGGGAAAGACCCAACGTACCGCCGCTG
AAAGCAGTGAGTGCAGTGGGGTGGCTTGCTGAAGGTGCGGTAGAGGTGACTCAGATCAGAGTCCCTCTCC
CTTAACATCTTGTCCCTACCAGGTGGCTCATCGTACCGCAGGCAGGCTGCTGTGCCGGTGAAGTCGGAGA
CCCACGGCGGGGAGGACGTGGCGATATTGCGCGTGGCCCGCAGGCGCACTTGGTGCACGGGGTGCAGGA
GCAGAATACTACGCGCACGTCTATGGCTCTGCAAGCTGCTGGAGCCCTACACCGACTGCGGCTTGGA
CCCCCTGCAGATGAAAGCCAGACCACACGACAACCCGCCAGACCACCATCACCACCACCACCACCA
CCACCACCACAACCAACCCCGGTCCATAACAGCGCCAGAAGCCTGGGGCCAGCCACCGCCCCGCTGGCTCT
GGCGCTGCTGGCCGGAATGCTGATGCTACTACTAGGGGCTCCTGCGGAGTCTTAACTCCAGCACATCTA
GGCTCCACCCACTAGGTCCACGCCCCACCTGGTCTTCCCTTCCCTGACCTCAGTGCTCCCTGCATTC

FIGURE 1A

APPROVED	O.G. FIG.
BY	CLASS/CLASS
ONACTMAN	

TCCCTGCGGGCTCTACCCAGGATCCTCTCTCTGTCTTTCTGCTACTGGCCTCATGTCTAGCCCTACCTT
 GCATTGCAGCTTCCAGGTTCCCTCCTACCCAGGCACTCACAAAGGCCAATCACCTCTGAGCTAGCAGCCAG
 CCTCAGACCCACAGAGTTACTTCTCCCCAGGCAGCATGACCACCAAGGCCCTTGGACCTCCCGGGCAAT
 CCGGACTCTCCTTTTGGCCCTCATCCATCAGCCCCCTAGAAAAAGATAGGATCCCGCAATAATTTGTGGAGG
 ACCAAACATGCACCTGCCATTGGCACTTCTCCGAGCTTGAATCCATCTTACAGGCTCTGTACCCAGGA
 CTAAGGCACAAGAGAACACAGAGAGAGGCTGTCTTCCCACTACTCCTCGGTCTAATCTGCTGGCAGGTGG
 CAAGGCTACGGTGCTGGGTACCCTAGCCAGCCTTTGACATAGTTCTTCCCTCGATGTCTCTGGACCAGCTC
 CACATTCAAAACCATCATGGCTCAGCCATACCAACCCACAGAGCGAAGATTCTGAAATCGTTCAGCCCTT
 TCATGTCTATTGCCAGCTAGGAGATTCAAAGAGCTGTACCCACCCCACTCTCAGGTCATCTCAGGTTG
 CACCTAAATTTCTGAACTGAGAAAAGTCCCTAACTTCCCAGGTCTGCATTCCCCTGGGGAGAGTCAAGTC
 AATAATAAAGAATGTATTCAATACAATAGCAATAGTCATTTTCTTTTCTTTCGGCTCAAAACCAGAGCC
 TAGTGCTGTAGGAACGTGCTCTGCCACTGATCCATAGCCCCATATCATCTCTCCCTCCCTCTCCT
 CCTCCCTCTTCTCCTTCCCTCCTCCTCCTATGACTCTGTAGCCCAAGCTGGCTCAAATTTATGACAGT
 CCAGCTGTACAGTCTCCAGATGCTGGATTTTAAGTGTGAGCCACACTCCTAGCATCTTAGTAGGACCT
 TTGCAGAAGGAAAAGCCTGAAGTGCTCTGGAGCACTGAGTTCAGATGGGGGAGGGGTAATAGTGGAGCCTCA
 GTTGGAGAGAGACAGCCAGCTGAGCAAGATCCTGAATGAGGTGAAGGCCTGAGCCAACACCACACAGCAG
 TGCTAATCCCCCACCCCCCAGGCCAGCGATCAGCTGGAAGGTTGCAACGACTGGGTGAGAGAGGGTGGCT
 GGGACAGAGGATGCAAAGCTGGAGCTGCAAGGAGCTGTGGGAGGAGAGGAAGAATTTAAAAATCCATGGC
 AGTGTGGTCACAAGCCTTTGAATAAGAATTCAGGACGTGGTACTTTTTCTATTGCAGGAAATATGCAATC
 TTTTCCCTTTTTTCTGTTTTTTTTTTTCCATGGGGGGTGGGAATGGGTGTTAGATATAGGAGCTGGTCA
 GCCAGAGGGGAGATGCAGACCCTAACCATCTCTGACTTGCATTGGAACCTGGTGGAGCACCACCCAGTA
 TAGTCTTGGCCCCCTGTCTAACCTGCCAATGAGGACATTTGAAGGAATTACGTAAAGGTGGATTAAGCT
 GTGTTTCTCAGTAAGTTTTGCAACACTACAAATTTATCTGTACATTTATGAAGGTACAAAAACACACTTT
 GCTCCCACTAGTAATATTAGGAAGATTGAATATGCATCCTTATTTGCTAAAATCTTGATTTAACTGTG
 AAACATCAATTGAAATCTTGGCTCTCGGAGTAGTTTATTTCAATTCCGGATTTTAGTGGCTGTGAGAA
 AATATGGGAGCTGAATGGAAAAGGCCATCGTTAAACAAGCTT

SEQ. ID. NO.:2

MQGPWVLLLLGLRLQLSLSVIPVEEENPAFWNKKAAEALDAKKLQPIQTSAKNLIIFLGDGMGVPTVTAT
 RILKGQLEHGLGPETPLAMDRFPYMALSKTYSVDRQVPDSASTATAYLCGVKTNKYTIIGLSAAARFDQCN
 TFGNEVFSVMYRAKKAGKSVGVVTTTRVQHASPSGTIVHTVNRNWDADMPASALREGCKDIATQLISNM
 DINVILGGGRKYMFPAGTPDPEYPNDANETGTRLDGRNLVQEWLSKHQGSQYVWNREQLIQKAQDPSTVYL
 MGLFEPVDTKFDIQRDPLMDPSLKDMTETAVKVLNRNPKGFYLFVEGGRIDRGHHLGTAYLALTEAVMFDL
 AIERASQLTSEKDTLTIVTADHSHVFSFGGYTLRGTSIFGLAPLNALDGKPYTSILYGNPGYVGTGERPN
 VTAAESSGSSYRRQAAPVKSETHGGEDVAIFARGPQAHLVHGVQEQNYIAHVMAAGCLEPYTDCGLAPP
 ADESQTTTTTRQTTITTTTTTTTTTTTTTPVHNSARSLGPATAPLALALLAGMLMLLLGAPAES

FIGURE 1B

APPROVED	DATE
BY	CLASS/SUBCLASS
DRAFTSMAN	

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

AAGCTTAATTGGGGGGCCAAGTAGACAGCAGGACATTCAGTGTGCCTTGTTTCCTTTGTCT
TTTGGCTCCAGGTATCAGCAAGCCAAACAAAGGCCCTCATCTAAGCTGTGTTCTTCAGG
CCTACCTCCAGCGCCAGAATGAGCCTATTGGCCCCACAGCTCTCAGGAGCAAGAGTGA
TGTACAGGACATTGTGAGCAAGAAGTGGGTGCTGCAAACTGCATAACCCCCCTCCTACCG
GCAAGACACCGAGTGCTCACACAGAGCTTACTCGTAGGACTTGCCAGCTGGTTAAGACAC
ACCCTGCCATTTTCTCTAACAAGCAGGAGTTCAGTTCAGTTCACAGGGATGGGGTGGGAC
CAGGATGGCCACTTTGATCACATGGGAGGGCGTGGTGTGTGCAGTTAGGAACAAAGTC
TCCCCCTATTTAAGTCCAGCGCTCTGTGCTTTAGTTGATCCCTGGTGTCTCGTGTCTTTG
TCTGCTGCTGTCCCGCCACCAGCCCCAGCCATGCAGGGACCCTGGGTGCTGCTGCTGCTG
GGCCTCAGGCTACAGCTGTCCCTTAGTGTCATTCCAGGTAATGAGGCTCCTTCCAATGAA
CACCCCATTTCCACCCATGGACCCCTTCATGCTGACCCCTTCCTCTGCTATTCCCTTGGCCA
GTGGAGGAGGAGAACCCGGCCTTCTGGAACAAGAAGGCAGCCGAGGCCCTGGATGCTGCC
AAGAAGTGCAGCCCATTCAGACATCAGCTAAGAACCTCATCATCTTCCTGGGTGACGGT
GAGTGTGTGAGCGAGGCCTGCCACCCTGGGGCCCTTGTACTCCAAGTACCCAGGGCCACT
GGTGGGTACGGACAGGCCTCAGGGTTCAGTCTGACGAGGTCTGCTCCTTCAGGAATGG
GGGTACCAACAGTGACAGCCACCAGGATCCTAAAGGGACAGTTGGAAGGTCATCTAGGAC
CTGAGACACCCCTAGCCATGGACCGCTTCCCATATATGGCTCTGTCCAAGGTGAGTTCTT
AGCCACATCTGAAATGACTGATGGGATCCAGGGCAAGGGAGGCAGAGAGGCTCGGGTGAA
GAAATAAATGTCTGCTTTGAGCCCAAGTTGGGGTGTCTCTGTCCCCAGACATACAGTGTGG
ACAGACAGGTTCCAGACAGTGCAAGCACGGCCACCGCCTACCTGTGTGGGGTCAAGACCA
ACTACAAGACCATCGGCTTGAGTGCAGCCGCGAGATTCGACCAGTGCAACACCACATTTG
GCAATGAGGTCTTCTCAGTGATGTACCGTGCCAAGAAAGCAGGTGAGTTGGAGCCAGGCT
CAGCTATGGGGGGCAAGCCTAGGGGACTGGATGTCTCACCCTGACCTTTGCCGTCTTCAG
GAAATCCGTAGGTGTGGTGACCAACCAGAGTGCAGCACGCCCTCTCCCTCGGGCACAT
ATGTTACACAGTGAACCGCAATTGGTATGGGGATGCTGACATGCCTGCCTCTGCGCTGC
GGGAAGGTTGCAAGGACATTGCTACACAACCTCATCTCCAACATGGACATTAATGTAAGGA
TAAGCATGTCAAAGGGAGAGGGTAAGGGGAGGGAGAGGAGGAGAAGGAGGGGGAGGGAGG
GGGAGGTCAAGGGGGTCAAGGGGGGAAGGGGTGGTCCCAGGCAACCTTGTAGACTGAAC
TCCCTGGATCTTCTGGGGTCTTTGAGGGCCGGGTAGTTCAGTTCACATACCTGGTGAG
GAGCTAGGGACTGGCAGGAAAAGGAGGCAGAAAGACAACCTAAAGTTCACCTTCCTTCATC
CTCTCTGACCACAGGTGATCCTTGTTGGGGGGCGAAAATACATGTTTCTGCTGGAACCC
CAGACCCCGAGTATCCAAATGATGCTAATGAGACTGGAACCAGATTGGATGGCAGGAATC
TGGTGCAGGAATGGCTGTCAAAGCACCAGGTGACCGACTGCAGAATATTAGTGATACAGT
GGAGACCAGGGAAGGGCTTTGAACCTTACCAGTTGCTTATGTCCCTCTAGGGATCCCAGT
ATGTTTGAATCGTGAACAACCTCATTGAGAAGGCCAGGATCCGTCAGTGACATACCTCA
TGGGTAATGGCCCCACACTTCTGCACTGGTACACCTCATATGGCAACCACTGATCCTCT
GTGTATATATGTACCGTGACCCCACTGCCAAGCTTGGTGGTACCAGTATATATTTTGGT
TTTGTAACCTCAGGCCTCTTTGAGCCTGTAGACACAAAATTTGATATTCAACGAGATCCCC
TGATGGACCCATCTCTGAAGGATATGACAGAGACGCGCTGAAAGTGCTAAGCAGGAACC
CCAAAGGCTTTTATCTCTTTGTGGAGGGTGAGTCTCCAAGCTCCCATGGAAGAGGGGAC
AATGGACAGGGACAGGCTCAAGCTCACTGGCTTCCCTGCAGGGGGCCGAATCGACCGTGGT
CACCATCTGGGCACAGCTTATCTGGCGCTGACTGAGGCTGTGATGTTGACTTAGCCATC
GAGAGGGCCAGCCAGCTCACTAGTGAACGCGACACTCTGACCATAGTCACTGCTGACCAC
TCCCATGTCTTCTCCTTTGGTGGCTACACACTTCGAGGGACCTCCATCTTCGGTAGGTTT
GGGAACAGTGGCAGGCTGTCAATTACGTACAGAATACTTCTGAGCCATCGTTTTCTCTGT
CTGTAAAATGGACAGAAATGGCACCTGCCTTGTGGGGATCTAGCAACGACTGAACCCTG
GCCAGGCAAAAGCGGGGGCTCGTCTAAGCATATTCTTGGCAGGAAAAAGTGTCCCTCT
TCCCCCATGCAGGGCTGGCTCCCCCTCAATGCTCTGGACGGCAAGCCCTACACCTCCATCC
TGTATGGCAACGCCCCAGGCTATGTGGGTACAGGGGAAAGACCCAACGTACCCGCCGCTG
AAAGCAGTGAGTGCGGTGGGGTGGCTTGCTGAAGGTCCGGTAGAGGTGACTCAGATCAG
AGTCTCTCCCTTAACATCTTGTCCCTACCAGGTGGCTCATCGTACCGCAGGCAGGCTGC
TGTGCCGGTGAAGTCCGAGACCCACGGCGGGGAGGACGTGGCGATATTCCGCGGTGGCCC
GCAAGCGCACTTGGTGCACGGGGTGCAGGAGCAGAACTACATCGCGCACGTGATGGCCTC
TGCAGGCTGCCTGGAGCCCTACACCGACTGCGGCTTGGCACCCCTGCAGATGAAAGCCA
GACCACCAAGACAACCCGCCAGACACCATACACACCAACCAACCAACCAACCAACCAAC
AACCACCCCGGTCCATAACAGCGCCAGAAGCCTGGGCCCAGCCACCGCCCCGCTGGCTCT

FIGURE 2A

GGCGCTGCTGGCCGGAATGCTGATGCTACTACTAGGGGCTCCTGCGGAGTCCTAAACTCC
AGCACATCTAGGCTCCACCCACTAGGTCCCACGCCCTCACCTGGTCCTTCCCTTCCCTGA
CCTCAGTGCTCCCTGCATTCTCCCTGCGGGCTCTACCCAGGATCCTCTCTGTCTTTTC
TGCTACTGGCCTCATGTCTAGCCCTACCTTGCAATTGCAGCTTCCAGGTTCCTCCTACCCA
GGCACTCACAAAGGCCAATCACTCTGAGCTAGCAGCCAGCCTCAGACCCACAGAGTTA
CTTCTCCCCAGGCAGCATGACCACCAAGGCCTTGGACCTCCCGGGGCAATCCGGACTCTC
CTTTTGCCCTCATCCATCAGCCCCCTAGAAAAAGATAGGATCCCGCAATAATTGTGGAGG
ACCAAAACATGCACCTGCCCATTTGGCACTTCCTCCGAGCTTGAATCCATCTTACAGGCTCT
GTACCCAGGACTAAGGCACAAGAGAACACAGAGAGAGGCTGTCTTCCCACTACTCCTCGG
TCTAATCTGCTGGCAGGTGGCAAGGCTACGGTGCTGGGTACCCTAGCCAGCCTTTGACAT
AGTTCTTCCCTCGATGTCTCTGGACCAGCTCCACATTCAAACCATCATGGCTCAGCCATA
CCAACCCACAGAGCGAAGATTCTGAAATCGTTTCAGCCCTTTCATGTCTATTGCCAGCTA
GGAGATTCAAAGAGCTGTACCCCAACCCACTCTCAGGTCACTCAGGTTGCACCTAAATT
TCTGAACTGAGAAAAGTCCCTAACTTCCCAAGGTCTGCATTCCCTGGGGAGAGTCAAGTC
AATAATAAAAGAATGTATTCAATACAATAGCAATAGTCATTTTCTTTTCTTCCGGCTCAA
AACCAGAGCCTAGTGCCTGCTAGGAACGTGCTCTGCCACTGATCCATAGCCCCATATCAT
CTCCTCCCCCTCCCCCTCTCCTCCTCCTCCTTCTCCTTCCCCCTCCTCCTCCTATGACTCTGT
AGCCCAAGCTGGCCTCAAATTTATGACAGTCCACTTGCTACAGTCTCCAGATGCTGGAT
TTTAAGTGTGAGCCACACTCCTAGCATCTTAGTAGGACCTTTGCAGAAGGAAAGCCTGAA
GTGTCTGGAGCACTGAGTTGAGATGGGGGAGGGTAATAGTGGAGCCTCAGTTGGAGAGA
GACAGCCAGCTGAGCAAGATCCTGAATGAGGTGAAGGCCTGAGCCAACACCACACAGCAG
TGCTAATCCCCCACCCCCCAGGCCAGCGATCAGCTGGAAGGTTGCAACGACTGGGTGAGA
GAGGGTGGCTGGGACAGAGGATGCAAAGCTGGAGCTGCAAGGAGCTGTGGGAGGAGAGGA
AGAACTTTAAATCCATGGCAGTGTGGTCACAAGCCTTTGAATAAGAATTCAGSACGTGG
TACTTTTTCTATTGCAGGAAATATGCAATCTTTTCCCCCTTTTTTCTGTTTTTTTTTCC
ATGGGGGGTGGGAATGGGTGTTAGATATAGGAGCTGGTCAGCCAGAGGGGAGATGCAGAC
CCTAACCATCTCTGACTTGCAATTGGAACCTTGGTGGAGCACCACCCAGTATAGTTCTTGG
CCCCTGTCTAACCTGCCCAATGAGGACATTTGAAGGAATTACGTAAAGGTGGATTAAAGCT
GTGTTTCTCAGTAAGTTTTGCAACACTACAAATTTATCTGTACATTTATGAAGGTACAAA
AACACACTTTGCTCCCACTAGTAATATTAGGAAGATTGAATATGCATCCTTATTTGCTAA
AATCTTGATTTAACACTGTGAAACATCAATTCGAAATCTTGGCTCTCGGAGTAGTTTATT
TCAATTCCGGATTTTAGTGGCTGTGAGAAAATATGGGAGCTGAATGGAAAAAGGCCATC
GTTAACAAAGCTT

FIGURE 2B

Gene Sequence Structure *

570 bp
Sequence Deleted
669 bp

Size of genomic: 5293 bp

Targeting Vector* (genomic sequence)

Construct Number: 2109

Arm Length:

5': 1.1 kb

3': 3.3 kb

— Targeting Vector
- - - Endogenous Locus

* Not drawn to scale

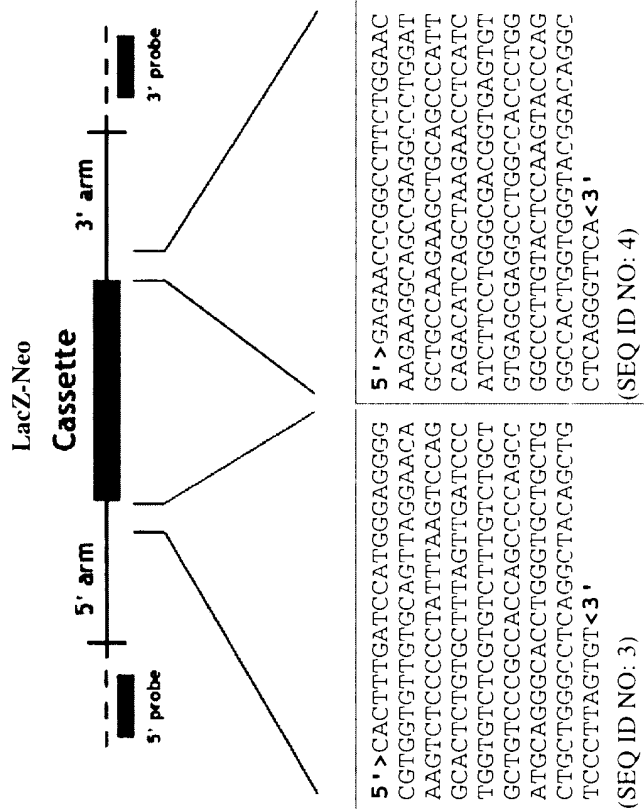


FIGURE 2C